

Figure 1

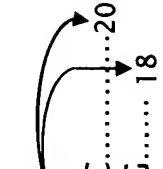
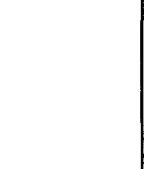
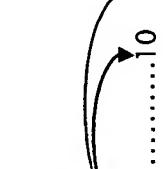
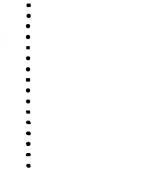
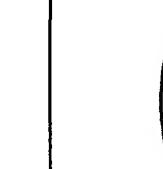
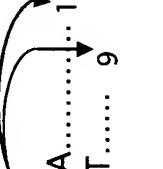
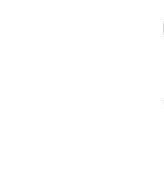
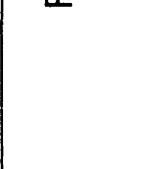
Enzyme E1	Enzyme E2	Number of bases selected in the 5' position	Number of bases selected in the 3' position	Number of potential subgroups (footprints)
<u>Bam H1</u>			1/32 (2x4x4)	1/16 (4x4)
<u>Eco RI</u>			1/128 (4x2x4x4)	1/16 (4x4)
<u>Pst I</u>			1/256 (4x4x4x4)	1/256 (4x4x4x4)
<u>Msp I</u>			1/64 (4x4x4)	1/256 (4x4x4x4)
<u>Xma CI</u>			1/16 (4x4)	1/256 (4x4x4x4)
<u>Msp I</u>			1/256 (4x4x4x4)	1/16 (4x4x4)
<u>Eco 56I</u>			1/64 (4x4x4)	1/16 (4x4)
<u>Ksp I</u>			1/4 (4)	1/16 (4x4)

Figure 2

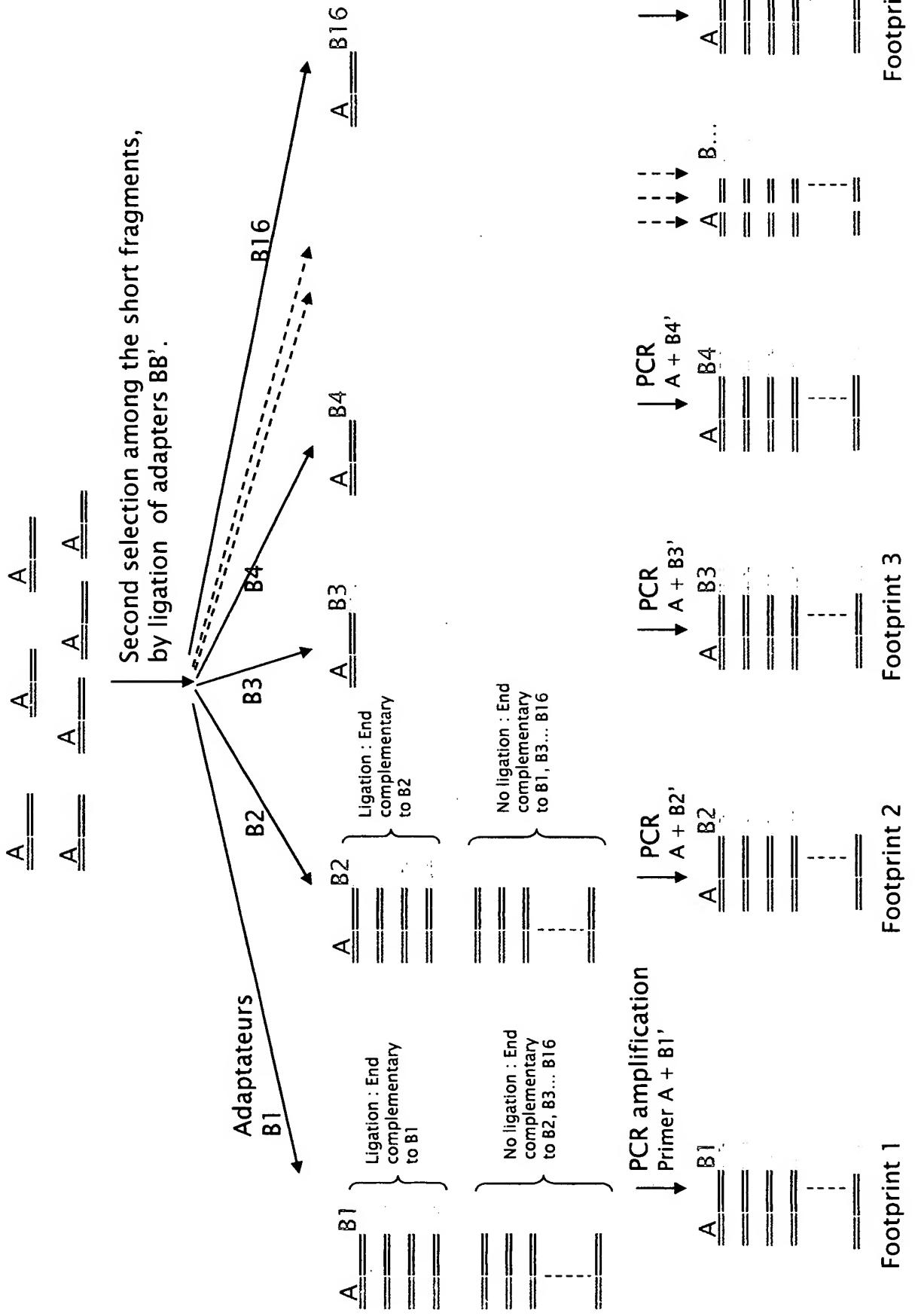
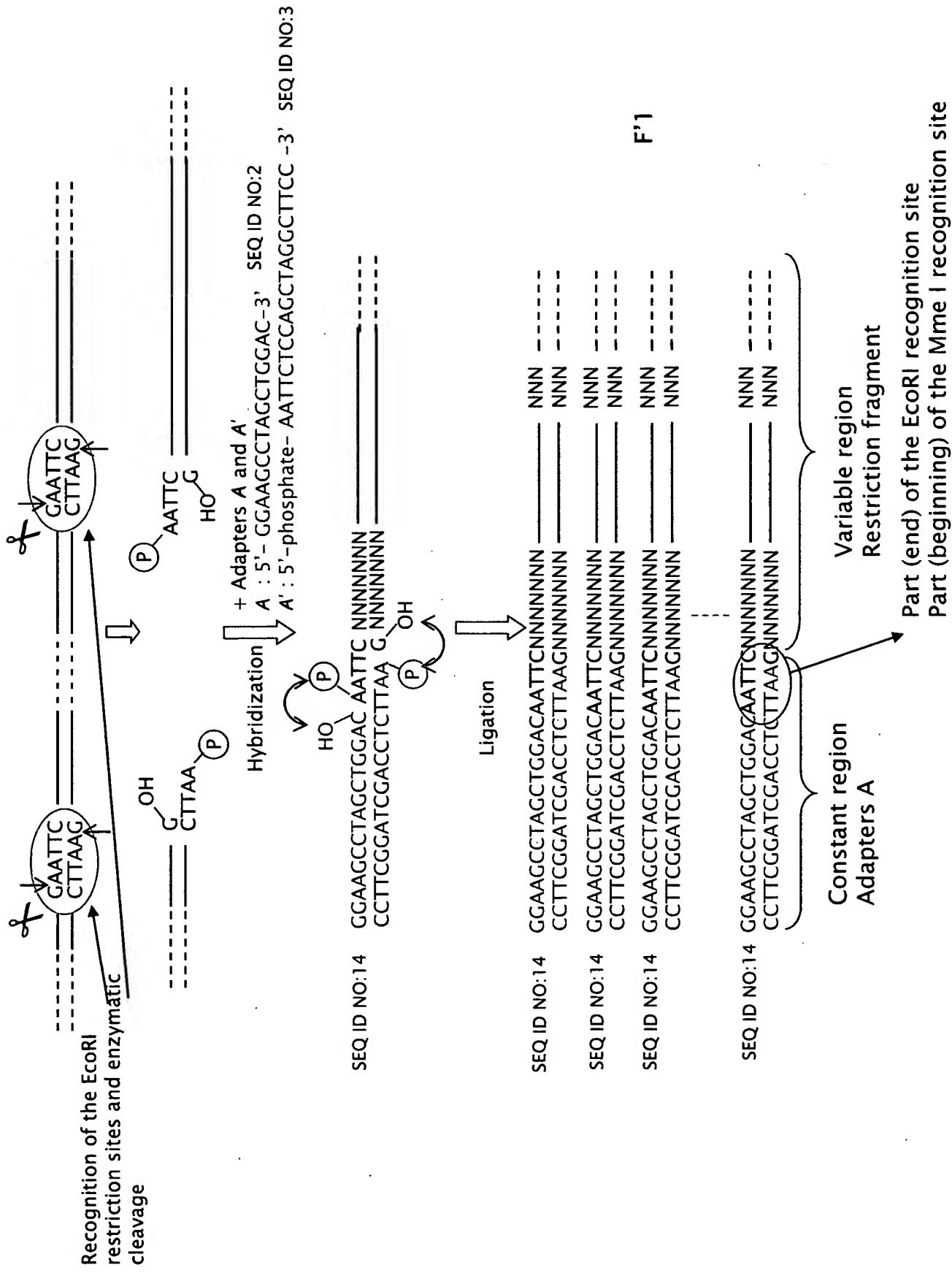


Figure 3



**Figure 4-1**

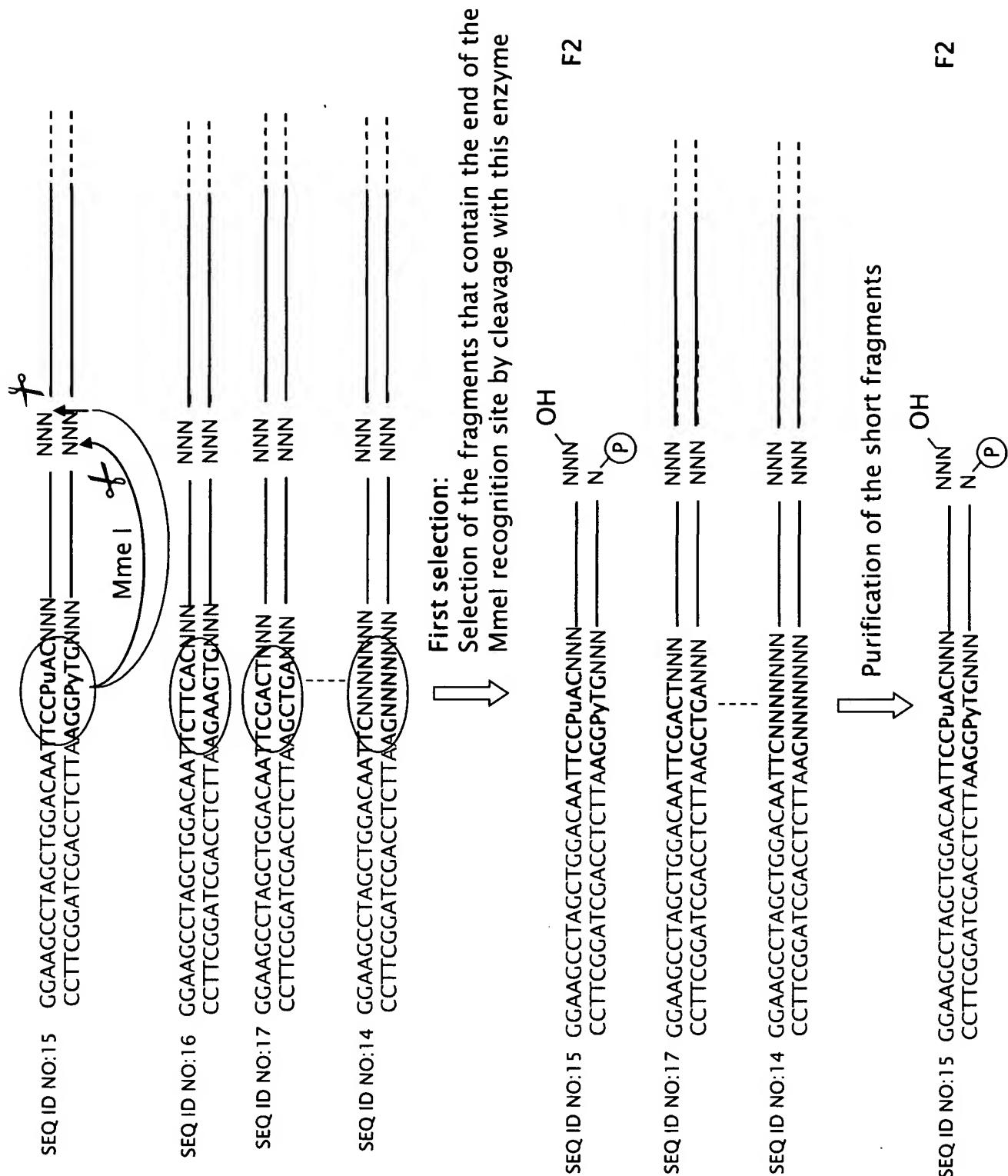


Figure 4-2

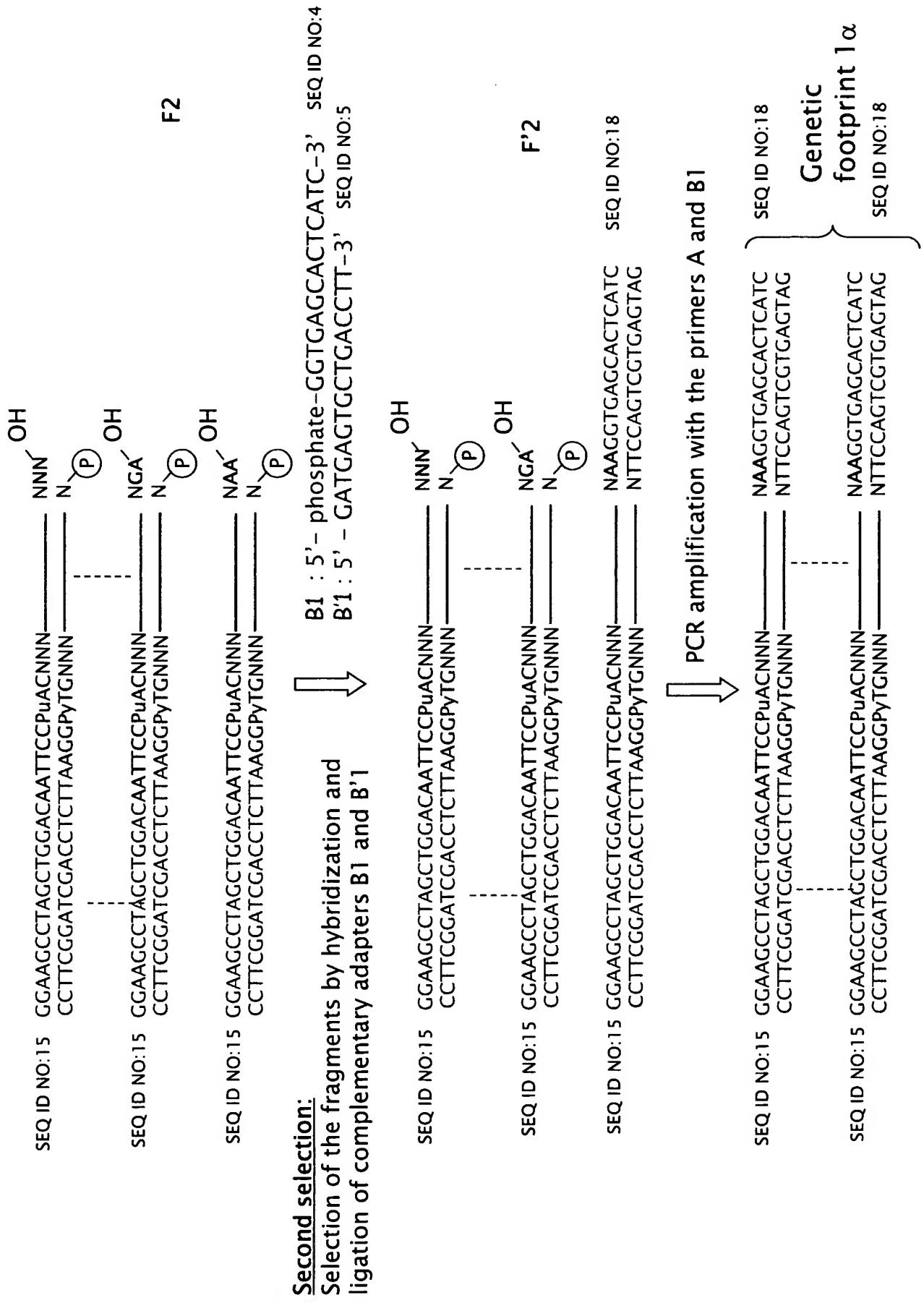


Figure 4-3

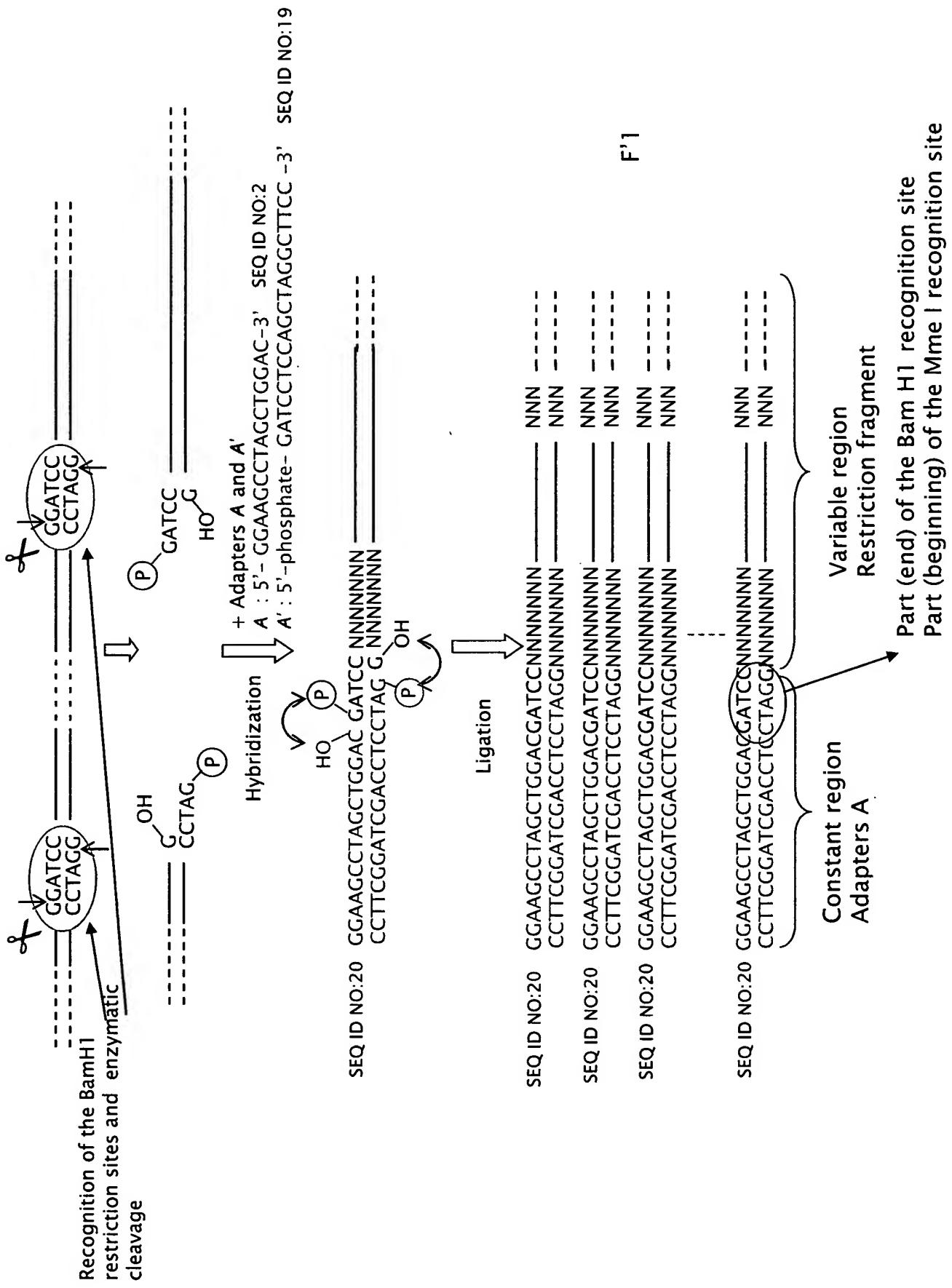


Figure 5-1

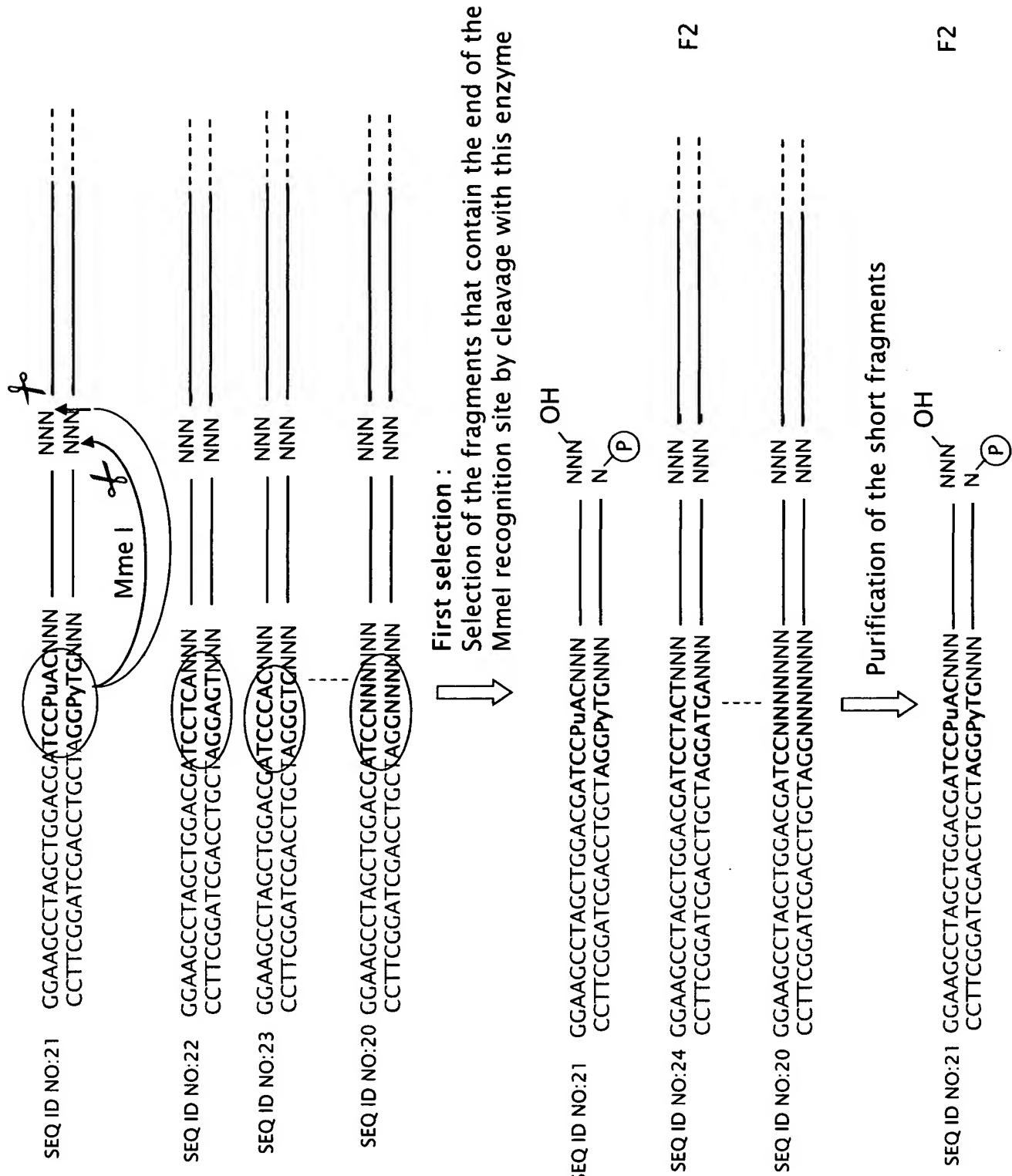


Figure 5-2

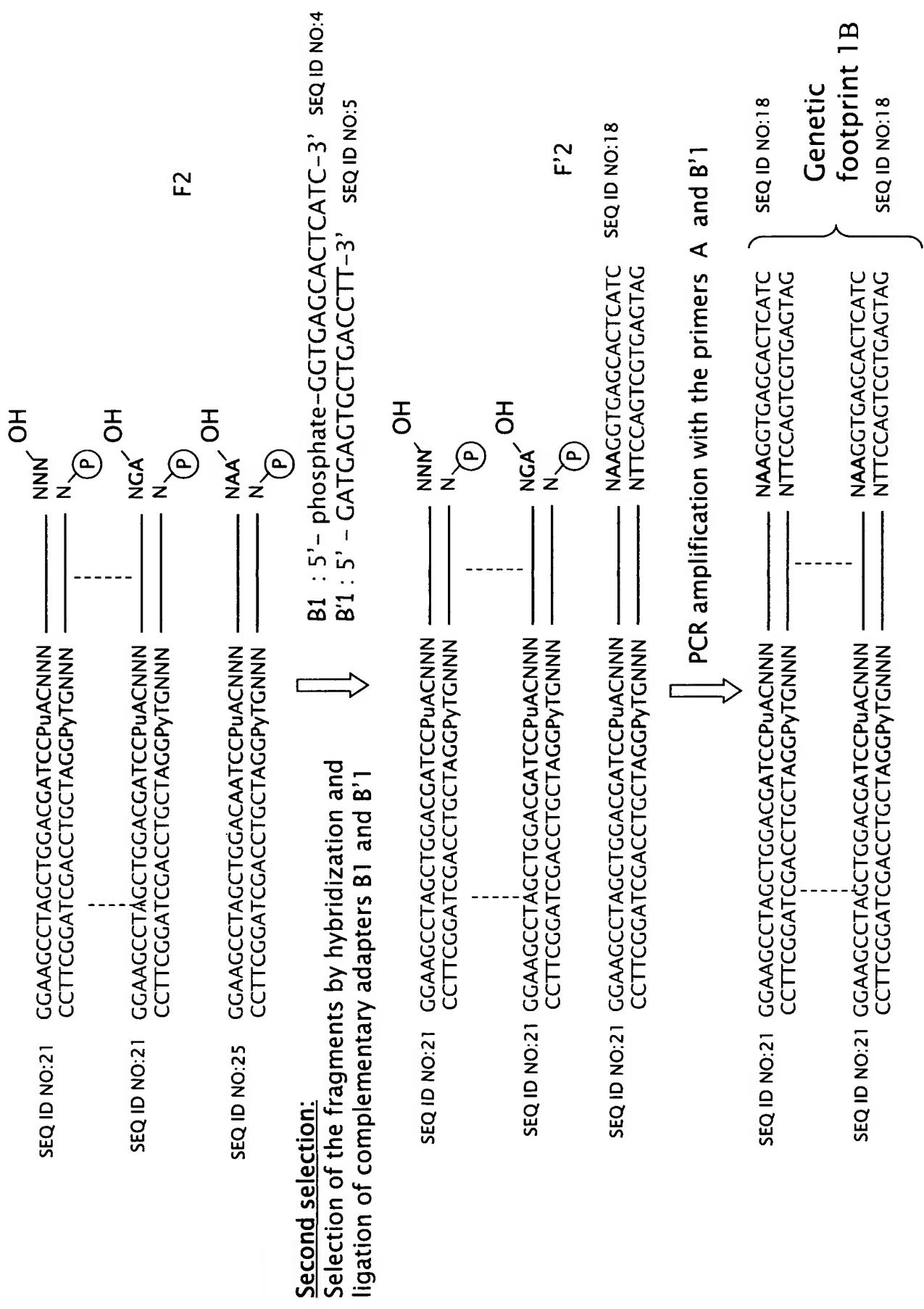


Figure 5-3

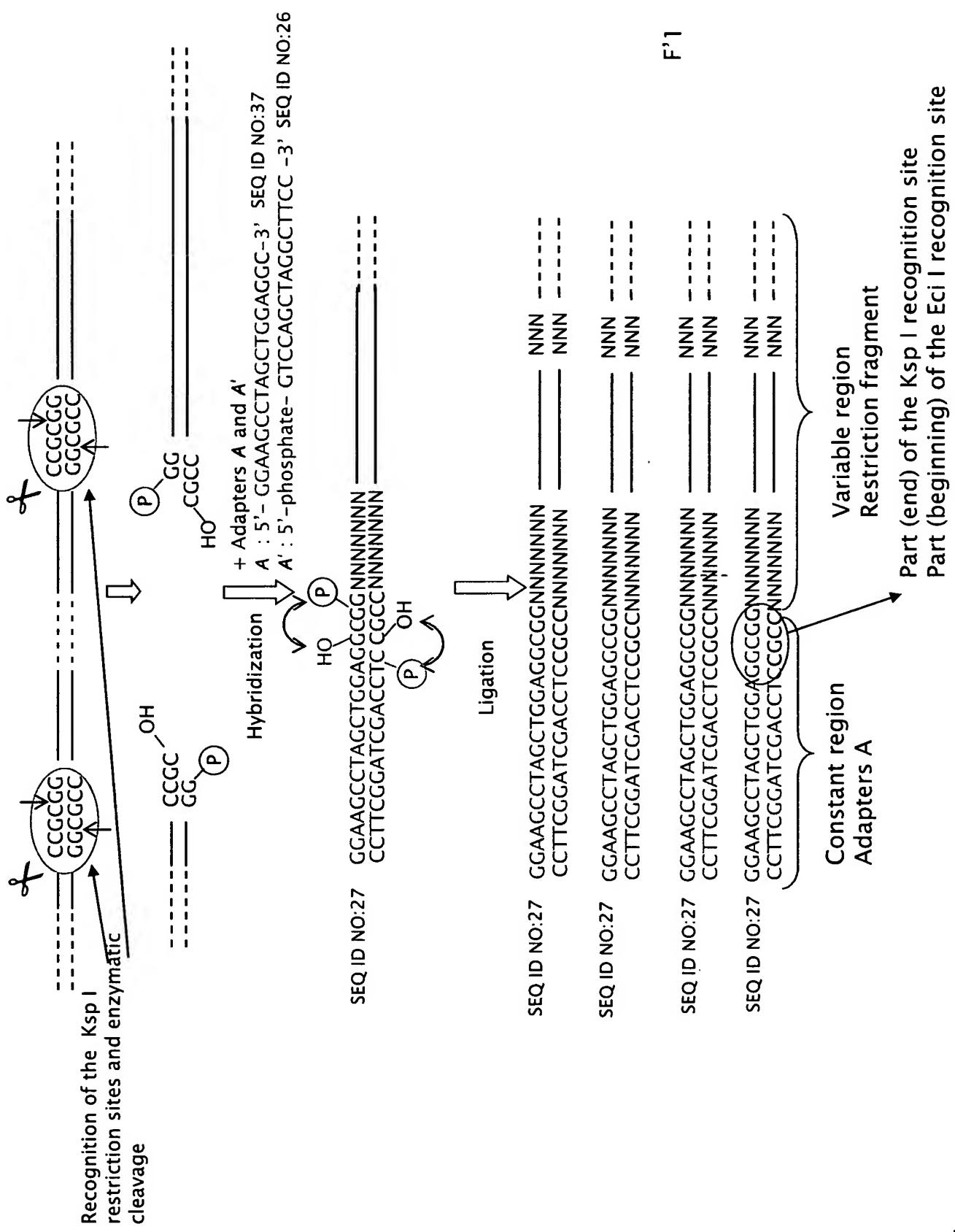


Figure 6-1

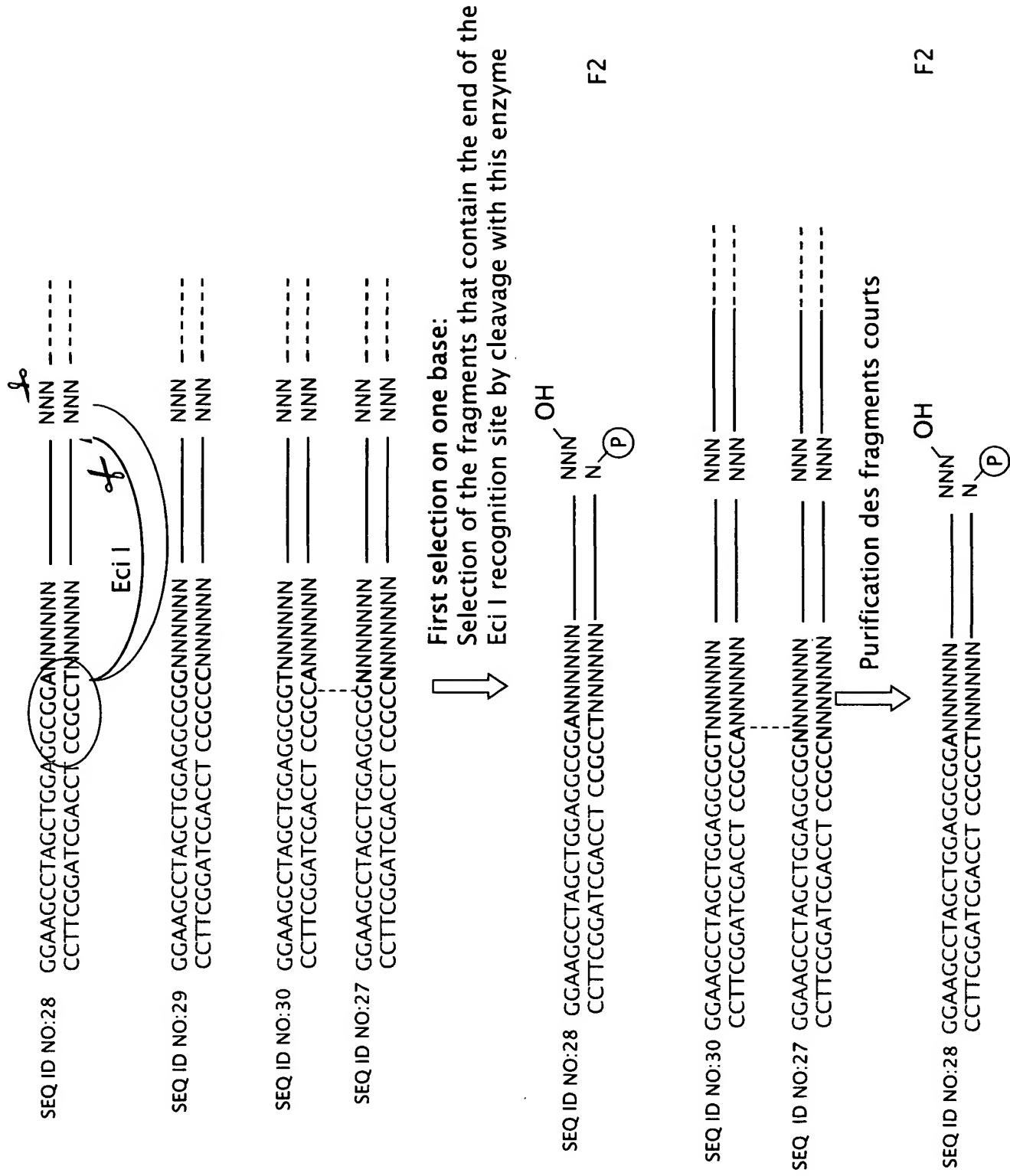


Figure 6-2

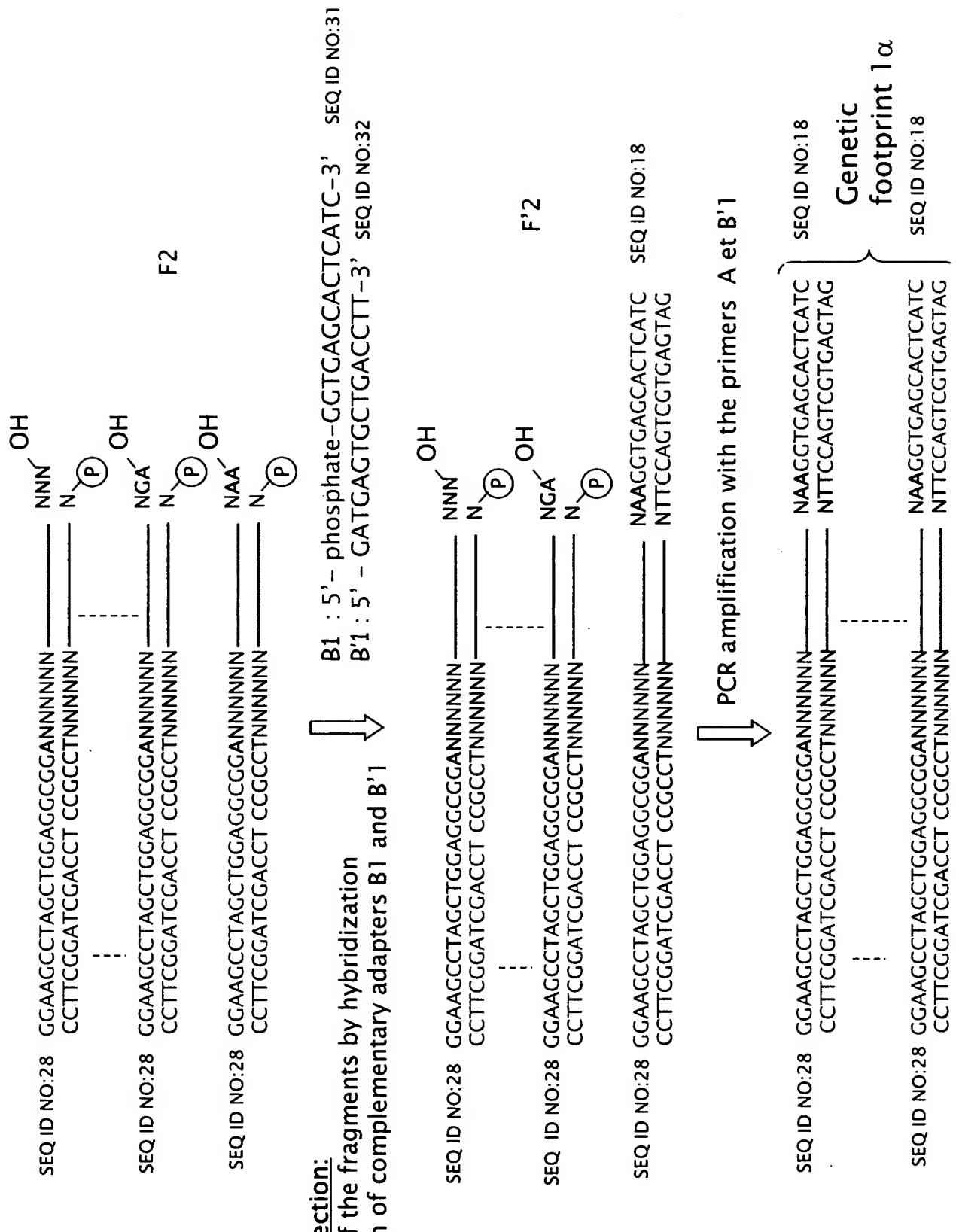


Figure 6-3

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Enzyme E1 <sub>A</sub>			Enzyme E2			
Name	Restriction site	Selection 1 of the fragments by cleavage 1 (step a)	Name	Restriction site	Selection 2 of the fragments by cleavage 2 (step c)	Optional selection 3 of the fragments (steps e and f)
<i>Taq<sup>a</sup> I</i>	-TCGA -AGCT	governed by E1 <sub>C</sub>	<i>BseR I</i>	-GAGGAGN <sub>10</sub> -CTCCTCN <sub>8</sub> (SEQ ID NO:33)	$\frac{1}{—} = \frac{1}{—}$ $4^4 \quad 256$	$\frac{1}{—} = \frac{1}{—}$ $4^2 \quad 16$
<i>Msp I</i>	-CCGG -GGCC	governed by E1 <sub>C</sub>	<i>BsmF I</i>	-GGGACN <sub>10</sub> -CCCTGN <sub>14</sub> (SEQ ID NO:34)	$\frac{1}{—} = \frac{1}{—}$ $4^3 \quad 64$	$\frac{1}{—} = \frac{1}{—}$ $4^4 \quad 256$
<i>Msp I</i>	-CCGG -GGCC	governed by E1 <sub>C</sub>	<i>Eci I</i>	-GCCGGAN <sub>11</sub> -CCGCCTN <sub>9</sub> (SEQ ID NO:35)	$\frac{1}{—} = \frac{1}{—}$ $4^4 \quad 256$	$\frac{1}{—} = \frac{1}{—}$ $4^2 \quad 16$
<i>Msp I</i>	-CCGG -GGCC	governed by E1 <sub>C</sub>	<i>Fok I</i>	-GGATGN <sub>9</sub> -CCTACN <sub>13</sub> (SEQ ID NO:36)	$\frac{1}{—} = \frac{1}{—}$ $4^3 \quad 64$	$\frac{1}{—} = \frac{1}{—}$ $4^4 \quad 256$

**Figure 7**